

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

- 1                   1.       (previously presented) A system for transmitting an optical signal to a  
2 plurality of receivers comprising:  
3                   an optical transmitter for transmitting the optical signal, wherein the optical signal  
4 includes a plurality of sections corresponding to a number of time slots, each section  
5 corresponding to a receiver in the plurality of receivers;  
6                   a time-dividing device for time-dividing the optical signal received from the  
7 optical transmitter,  
8                   wherein the optical signal is time-divided for different receivers by bending the  
9 signal at different angles with the time-dividing device at different time slots corresponding to  
10 different receivers, wherein each receiver receives the section corresponding to the receiver,  
11 wherein the section of the bent optical signal includes information just for the receiver.
- 1                   2.       (original) The system of claim 1, further comprising an end device,  
2 wherein the bent optical signal is transmitted to the end device from the receiver.
- 1                   3.       (original) The system of claim 1, wherein the optical transmitter  
2 comprises a laser.
- 1                   4.       (original) The system of claim 1, wherein the optical transmitter  
2 comprises a microwave source.
- 1                   5.       (original) The system of claim 1, wherein the optical transmitter  
2 comprises a radio frequency source.

1                   6.       (original) The system of claim 1, wherein the time-dividing device  
2 comprises a catadioptric device.

1                   7.       (original) The system of claim 1, wherein the time-dividing device  
2 comprises a rotating mirror.

1                   8.       (original) The system of claim 1, wherein the time-dividing device  
2 comprises an optical switching device.

1                   9.       (previously presented) A system for time-dividing an optical signal for a  
2 plurality of receivers comprising:

3                   an optical transmitter for transmitting the optical signal, wherein the optical signal  
4 includes a plurality of sections corresponding to a number of time slots, each section  
5 corresponding to a receiver in the plurality of receivers;

6                   a catadioptric device for time-dividing the optical signal received from the optical  
7 transmitter,

8                   wherein the optical signal is time divided for different receivers by bending the  
9 signal at different angles with the catadioptric device at different time slots corresponding to  
10 different receivers, wherein each receiver receives the section corresponding to the receiver,  
11 wherein the section of the bent optical signal includes information just for the receiver.

1                   10.      (original) The system of claim 9, further comprising an end device,  
2 wherein the bent optical signal is transmitted to the end device from the receiver.

1                   11.      (original) The system of claim 9, wherein the catadioptric device is a  
2 reflective device.

1                   12.      (original) The system of claim 9, wherein the catadioptric device is a  
2 refractive device.

1                   13.     (original) The system of claim 9, wherein the optical transmitter  
2 comprises a laser.

1                   14.     (original) The system of claim 9, wherein the optical transmitter  
2 comprises a microwave source.

1                   15.     (original) The system of claim 9, wherein the optical transmitter  
2 comprises a radio frequency source.

1                   16.     (previously presented) A method for time dividing an optical signal for a  
2 plurality of receivers, the optical signal including a plurality of sections corresponding to the  
3 plurality of receivers, the method comprising:  
4                   transmitting the optical signal;  
5                   bending the optical signal at a plurality of angles at a plurality of time slots,  
6 wherein sections of the optical signal correspond to different receivers, wherein the optical signal  
7 is bent at different angles at different time slots so receivers corresponding to the section can  
8 receive the section, wherein the section of the bent optical signal includes information just for the  
9 receiver.

10                  17.     (original) The method of claim 16, further comprising transmitting the  
11 bent optical signal to an end receiver.

1                   18.     (original) The method of claim 16, wherein bending the optical signal  
2 comprises reflecting the optical signal.

1                   19.     (original) The method of claim 16, wherein bending the optical signal  
2 comprises refracting the optical signal.

1                   20.     (previously presented) A method for time-dividing an optical signal for a  
2 plurality of receivers, the optical signal including a plurality of sections corresponding to the  
3 plurality of receivers, the method comprising:

4 transmitting the optical signal;  
5 time-dividing the optical signal at a plurality of time slots, wherein sections of the  
6 optical signal correspond to different receivers, wherein the optical signal is bent at different  
7 angles at different time slots so receivers corresponding to the section can receive the section,  
8 wherein the bent optical signal includes information just for the receiver.

1 21. (original) The method of claim 20, further comprising transmitting the  
2 bent optical signal to an end receiver.

1 22. (original) The method of claim 20, wherein bending the optical signal  
2 comprises reflecting the optical signal.

1 23. (original) The method of claim 20, wherein bending the optical signal  
2 comprises refracting the optical signal.

1 24. (previously presented) The system of claim 1, wherein the section of the  
2 bent optical signal received includes substantially all of the optical signal transmitted from the  
3 optical transmitter.

1 25. (previously presented) The system of claim 9, wherein the section of the  
2 bent optical signal received includes substantially all of the full optical signal transmitted from  
3 the optical transmitter.

1 26. (previously presented) The method of claim 16, wherein the section of the  
2 bent optical signal received includes substantially all of the full optical signal transmitted.

3 27. (previously presented) The method of claim 20, wherein the section of the  
4 bent optical signal received includes substantially all of the full optical signal transmitted.